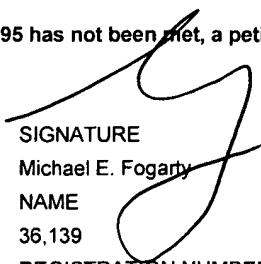


|   |  |   |  |   |
|---|--|---|--|---|
| FORM PTO-1390   |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE |  | ATTORNEY'S DOCKET NUMBER  |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b> |  |   |  | 061282-0149   |
|   |  |   |  | U.S. APPLIC. NO. (if known, see 37 CFR 1.5)<br>Not yet assigned |
| INTERNATIONAL APPLICATION NO<br>PCT/JP2004/012689   |  | INTERNATIONAL FILING DATE<br>August 26, 2004            |  | PRIORITY DATE CLAIMED<br>September 2, 2003                      |
| 10/550954   |  |   |  |   |
| TITLE OF INVENTION<br>TARGET TRAVEL DIRECTION DETECTING METHOD  |  |   |  |   |
| APPLICANTS FOR DO/EO/US<br>Natsuki KUROKAWA   |  |   |  |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:     |  |   |  |   |
| 1.  | <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.  |   |  |   |
| 2.  | <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.   |   |  |   |
| 3.  | <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.  |   |  |   |
| 4.  | <input checked="" type="checkbox"/> The US has been elected (Article 31).  |   |  |   |
| 5.  | <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input type="checkbox"/> is attached herewith (required only if not transmitted by the International Bureau).<br>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)   |   |  |   |
| 6.  | <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).   |   |  |   |
| 7.  | <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).<br>b. <input type="checkbox"/> have been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendment has NOT expired.<br>d. <input checked="" type="checkbox"/> have not been made and will not be made. |   |  |   |
| 8.  | <input type="checkbox"/> An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).  |   |  |   |
| 9.  | <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).   |   |  |   |
| 10.   | <input type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).   |   |  |   |
| Items 11. to 16. below concern other document(s) or information included:   |  |   |  |   |
| 11.   | <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.  |   |  |   |
| 12.   | <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.   |   |  |   |
| 13.   | <input checked="" type="checkbox"/> A preliminary amendment.   |   |  |   |
| 14.   | <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.  |   |  |   |
| 15.   | <input type="checkbox"/> A substitute specification.   |   |  |   |
| 16.   | <input type="checkbox"/> A power of attorney and/or change of address letter.  |   |  |   |
| 17.   | <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.  |   |  |   |
| 18.   | <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).   |   |  |   |
| 19.   | <input type="checkbox"/> A second copy of the English translation of the International Application under 35 U.S.C. 154(d)(4).  |   |  |   |
| 20.   | <input checked="" type="checkbox"/> Other items or information.<br>1) PCT Request (PCT/RO/101 & 105)<br>2) Front Page of International Application<br>3) International Search Report   |   |  |   |

|  |  |  |                     |
|--|--|--|---------------------|
| U.S. APPLIC. NO. (if known, see 37 CFR 1.50)<br>Not yet assigned   | INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/012689 | ATTORNEY'S DOCKET NUMBER<br>061282-0149  |                     |
| <b>10/550954</b>   |  | <b>CALCULATIONS</b>  |                     |
| <b>21. <input checked="" type="checkbox"/> The following fees are submitted:</b>   |  | <b>PTO USE ONLY</b>  |                     |
| <b><input checked="" type="checkbox"/> Basic National Stage Fee</b>  |  | \$300 \$300.00   |                     |
| <b>22. <input checked="" type="checkbox"/> Examination Fee</b><br>If International preliminary examination report prepared by USPTO and all claims satisfy provisions of<br>PCT Article 33(1)-(4)  |  | \$100  |                     |
| All other situations   |  | \$200  |                     |
| <b>23. <input checked="" type="checkbox"/> Search Fee</b><br>Search fee (37 CFR 1.445(1)(2)) has been paid on the international application to the USPTO as an<br>International Searching Authority  |  | \$100  |                     |
| International Search Report prepared and provided to the Office  |  | \$400  |                     |
| All other situations   |  | \$500  |                     |
| <b>TOTAL OF 21, 22 and 23 =</b>  |  | \$900.00   |                     |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |  | \$0  |                     |
| Total Sheets   | Extra Sheets                                       | Number of each additional 50 or fraction Thereof (round up to a whole number)  | RATE                |
| 33-100   | 00/50=   | 0  | X\$250              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |  | \$0  |                     |
| <b>CLAIMS</b>  |  | <b>NUMBER FILED</b>  | <b>NUMBER EXTRA</b> |
| Total Claims   |  | 11-20 =  | 0                   |
| Independent Claims   |  | 2-3 =  | 0                   |
| Multiple dependent claim(s) (if applicable)  |  |  | + \$360.00 0        |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |  | \$900.00   |                     |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.   |  | \$   |                     |
| <b>SUBTOTAL =</b>  |  | \$900.00   |                     |
| Processing fee of \$130.00 for furnishing the English translation later than the 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |  | + \$0  |                     |
| <b>TOTAL NATIONAL FEE =</b>  |  | \$900.00   |                     |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |  | + \$   |                     |
| <b>TOTAL FEES ENCLOSED =</b>   |  | \$900.00   |                     |
|  |  | Amount to be refunded  | \$                  |
|  |  | Amount to be charged   | \$900.00            |
| <p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>500417</u> in the amount of \$ <u>900.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>500417</u>. A duplicate copy of this sheet is enclosed.</p> |  |  |                     |
| <p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>  |  |  |                     |
| SEND ALL CORRESPONDENCE TO:<br>Customer Number 20277<br>Telephone: 202.756.8000<br>Facsimile: 202.756.8087   |  | <br>September 28, 2005<br>DATE<br>SIGNATURE<br>Michael E. Fogarty<br>NAME<br>36,139<br>REGISTRATION NUMBER |                     |